

Fun with Dominos



Here are some fun math games your children can play using just dominos. These games check all of the boxes. The kids will love them. Plus, they are simple to play and all you need is a set of dominos! Note: If you do not have a set of your own, you can find attached a printable version to create your own.

1) Domino Keepers Addition

- A game for 2 players (or two teams)
- All of the dominos are placed in the center of the table face down.
- Both players pick up a domino at the same time.
- Each player tells the sum of the dots on their domino, e.g. $2+4=6$, $5+3=8$.
- The player with the highest answer keeps both dominos. If both players have the same answer, each keeps a domino.
- The winner is the player or team with the most dominos when all dominos have been picked up.

2) Domino Keepers Multiplication

- A game for 2 players (or two teams)
- Play this game same as above, but instead of adding the two numbers on the domino, multiply them.
- These games tick all of the boxes - the kids will love them, they are simple to play and all you need is a set of dominos!



❖ This game idea comes from *Fun Games 4 Learning Blog*
<http://fungames4learning.blogspot.com/>

3) Even and Odd Sort

- Add, subtract, or multiply the dots on the dominoes then sort the answer by odd or even numbers.
- Want to make it a game? Before the game begins state a rule. The partner with the most even numbers or odd numbers wins the set.

4) Prime/Composite Sort

- Add, subtract, or multiply the dots on the dominoes then sort the answer by prime or composite.
- Want to make it a game? Before the game begins state a rule. The partner with the most prime numbers or the most composite numbers wins.

5) Ordering Decimals

- Children choose five dominoes and turn them over.
- One side is the whole number; the other side is the decimal.
- Order the decimals from least to greatest or greatest to least.
- Want to make it a game? Partners order their dominos then find the difference between their greatest decimal and least decimal. The partner with the greatest (or least) difference wins.

6) Compare Fraction

- Children choose two dominoes and turn them over.
- One side is the numerator; the other side is the denominator
- Compare both fractions.
- Want to make it a game? Each partner chooses one domino. Then they compare their fraction. The partner with the greatest (or least) fraction wins.

7) Ordering Fraction

- Children choose five dominoes and turn them over.
- One side is the numerator; the other side is the denominator
- Order the fractions from least to greatest or greatest to least.
- Want to make it a game? Partners order their dominos then find the difference between their greatest fraction and least fraction. The partner with the greatest (or least) difference wins.

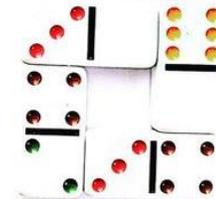
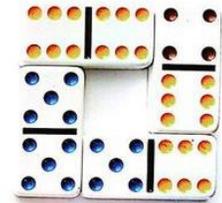
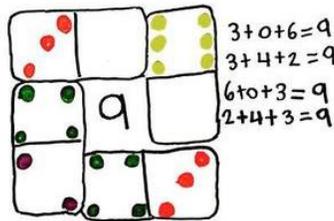
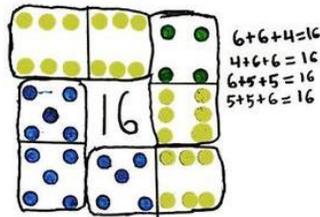
❖ These game ideas come from *Upper Elementary Snap Shots*
<https://www.upperelementarysnapshots.com/>

8) Domino Magic Squares

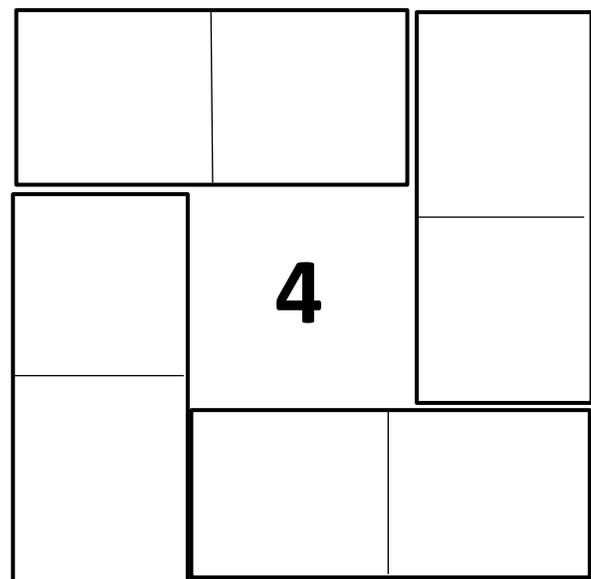
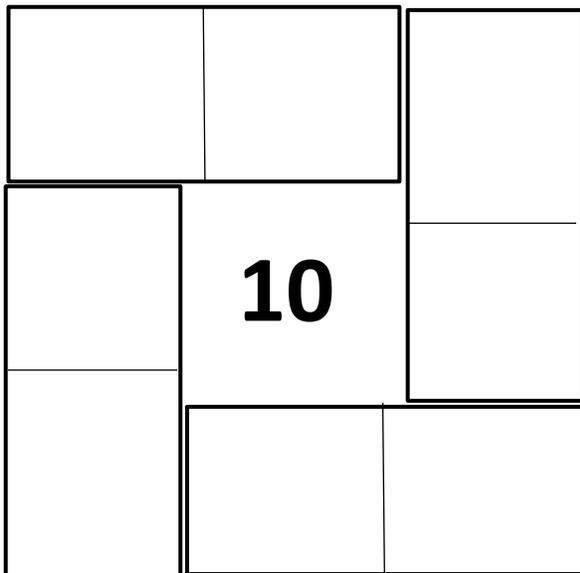
A magic square is an arrangement of numbers such that every row, column and the two diagonals sum to the same value, called the magic sum. A domino magic square is defined using a set of dominoes to form a magic square, each domino supplying two numbers. For example, here is a 4×4 domino magic square with 8 dominoes and magic sum 5.

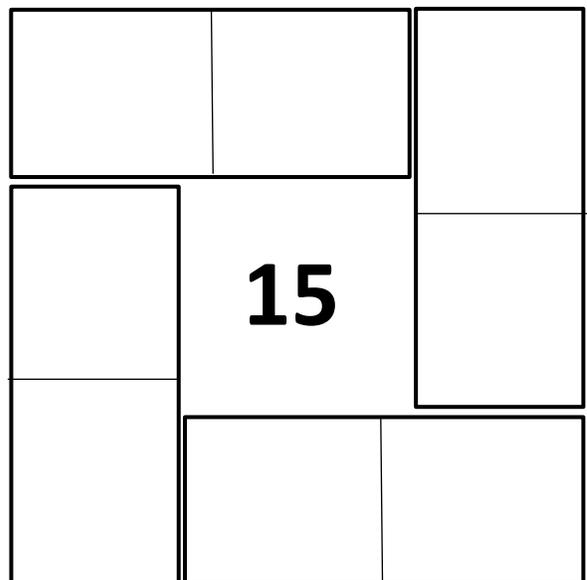
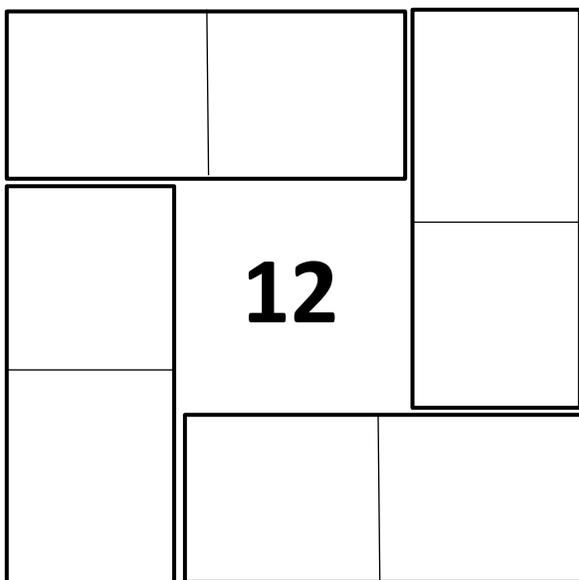
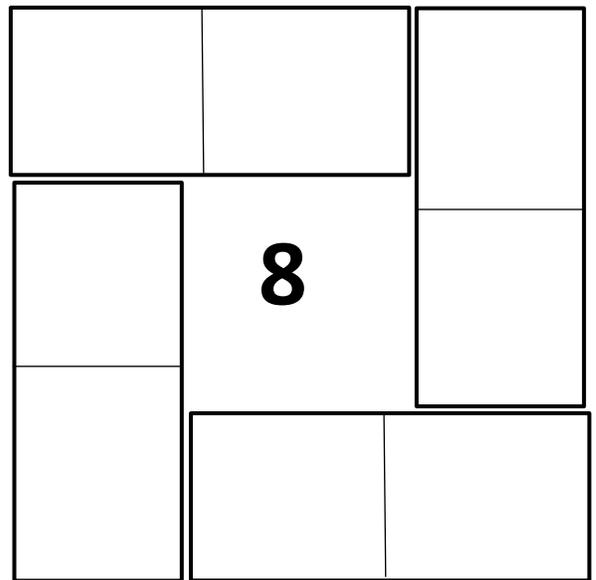
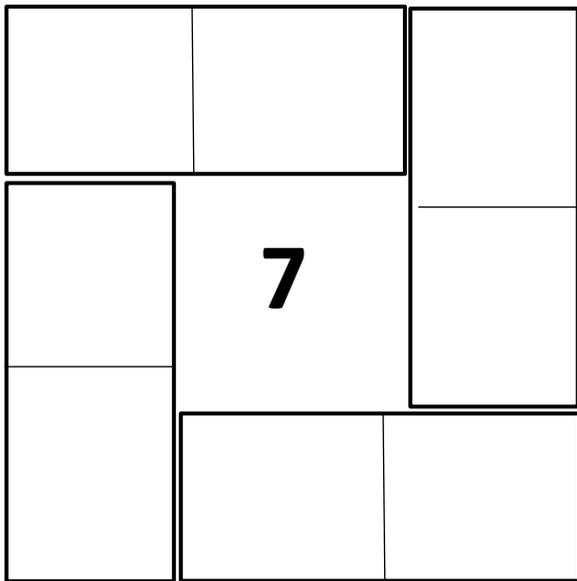
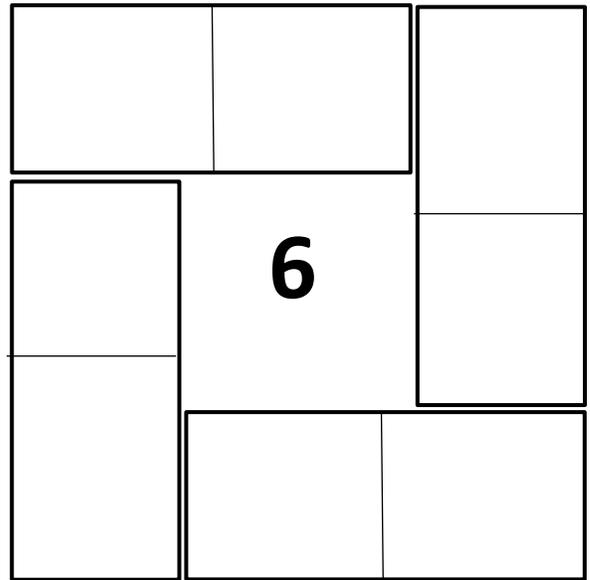
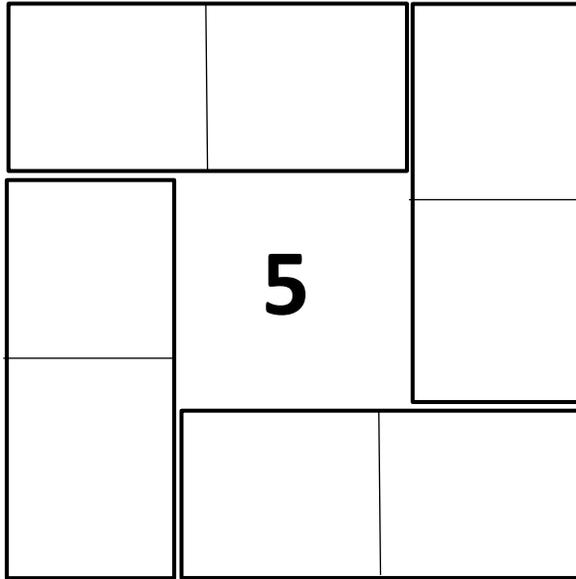
Example:

2	1	0	2
3	1	0	1
0	3	1	1
0	0	4	1



Try out the following template and sums, using a set of dominos.

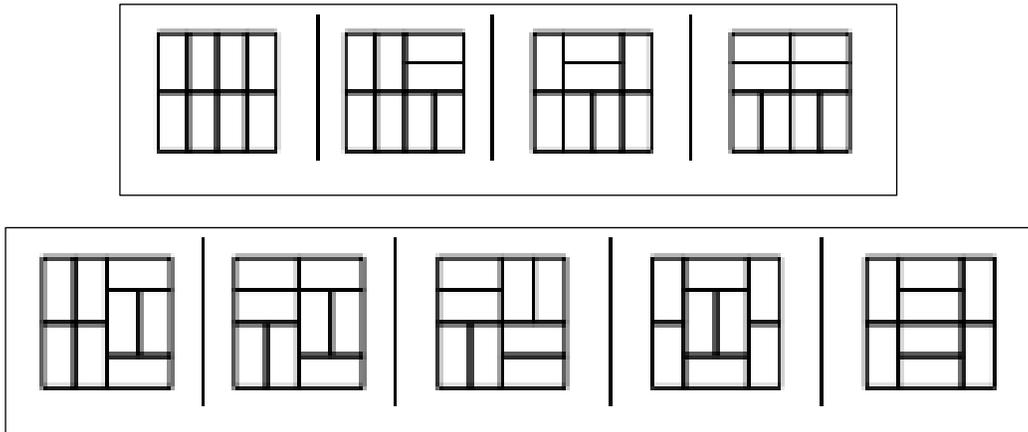




The sum of each
row, column and the
two diagonals = 14

The sum of each
row, column and the
two diagonals = 6

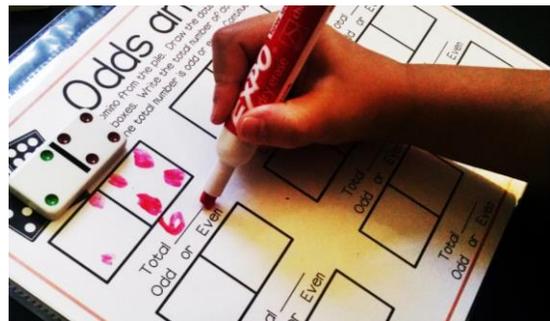
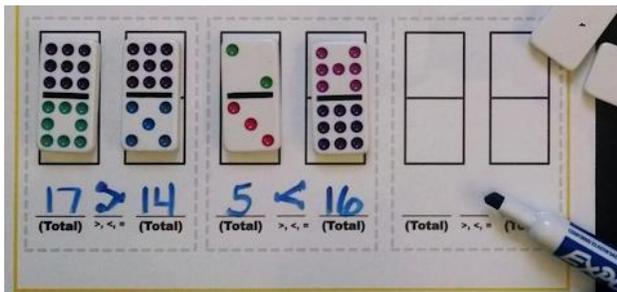
Have children challenge themselves and create their own 4X4 magic square template and sums.



❖ These game ideas come from *E is for Explore Blog*
<http://eisforexplore.blogspot.com/>

9) Domino Math

For the next math activity, print out the following sheets. Place them in page protectors and have your child use a dry erase pen to write their answers. That way you can reuse the sheet. For each problem, have your child pick random domino and place on the sheets. Or you can have them draw in the dots.



❖ These game ideas come from *The Kindergarten Connection*
<https://thekindergartenconnection.com/>

(Total)
Odd or Even

(Total)
Odd or Even

(Total)
Odd or Even

(Total)
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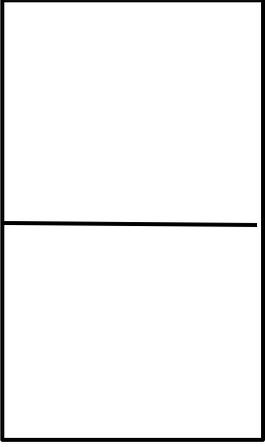
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(Total)
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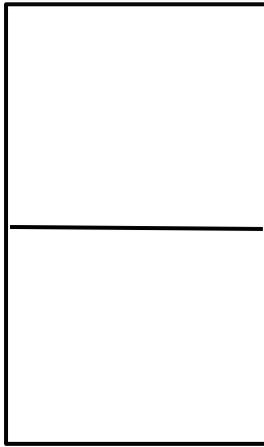
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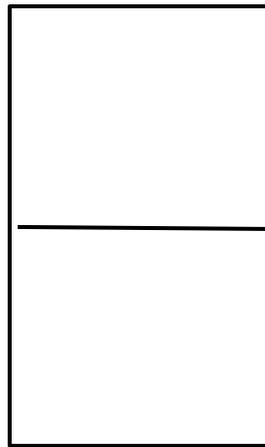
(Total)
Odd or Even



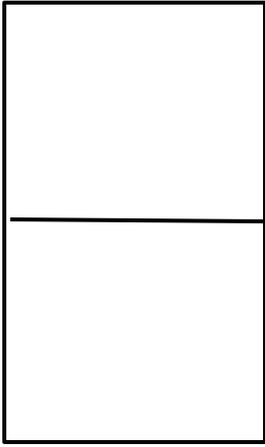
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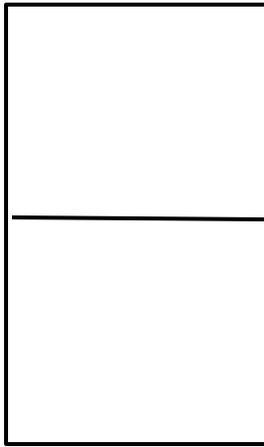
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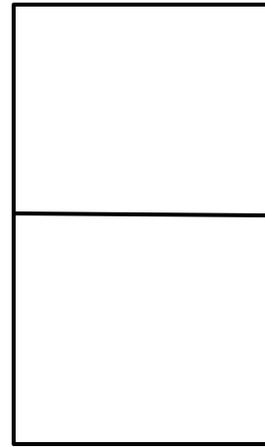
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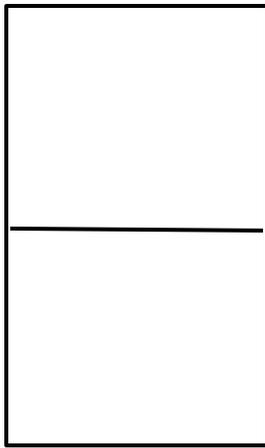
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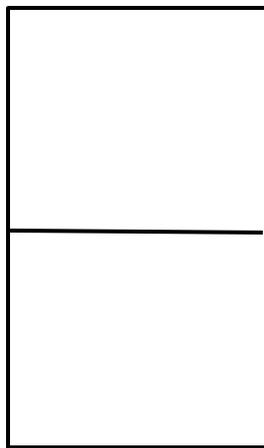
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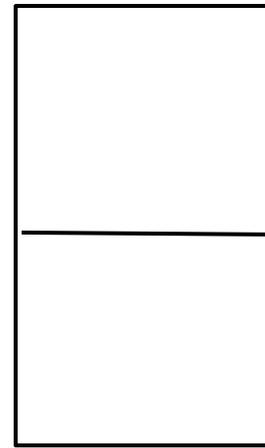
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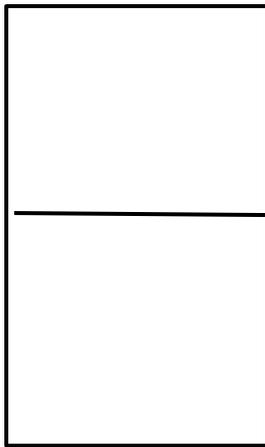
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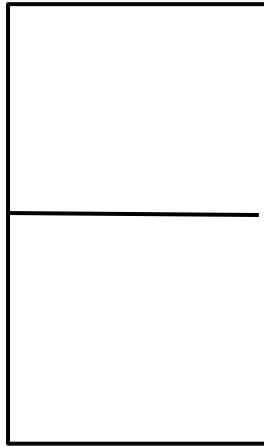
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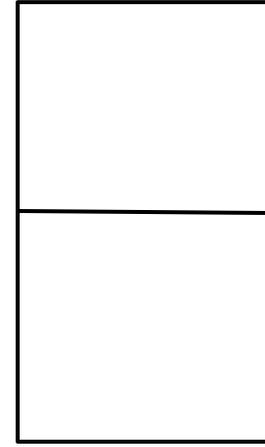
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